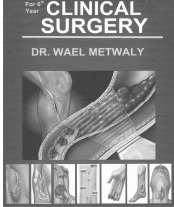
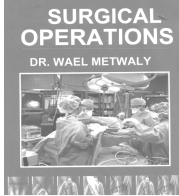

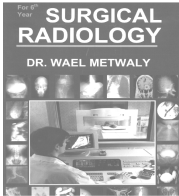


REVISION 3

THYROID DISORDER

BY DR. WAEL METWALY

<p>★ Clinical</p>  <ul style="list-style-type: none"> - Simple Nodular Goitre. - Toxic Goitre. - Malignant Goitre. 	<p>★ Operative</p>  <ul style="list-style-type: none"> - Subtotal Thyroidectomy - Principle of management of <u>hyperthyroidism</u> - Principle of management of <u>Cancer</u> thyroid
<p>★ Jars</p>  <ul style="list-style-type: none"> - Multi-nodular Goitre. - Malignant Nodule of the Thyroid 	<p>★ X-rays</p>  <ul style="list-style-type: none"> - Thyroid scan.

EXAMS

- A. Anatomy
- B. Written Questions
- C. Explanations
- D. Cases

A. ANATOMY

- 2004 - Discuss Anatomy of Thyroid gland
- 2006 - Discuss Anatomy of Thyroid gland

- (20 Marks) دورثانی
- (10 Marks)

B. WRITTEN QUESTIONS

2001

- Discuss complications of S.N.G.
- Mention DD & Investigations of **Solitary Thyroid Nodule**.

(10 Marks) دور ثانی
(15 Marks)

2002

- Discuss Post-operative complications of **Thyroid gland**
- Discuss complications of S.N.G.
- Discuss Management of **Solitary Thyroid Nodule**

(10 Marks) دور ثانی
(12 Mark)
(12 Mark)

2003

- Discuss complications of S.N.G.
- What are risks & precautions with treatment of **Toxic Goiter**.
- Discuss **Thyro-glossal cyst**.
- Discuss pathology, C/P & management of **Cancer Thyroid**

(9 Marks) دور ثانی
(9 Marks) دور ثانی
(9 Marks) دور ثانی
(20 Marks)

2004

- Discuss clinical presentations of **Hyperparathyroidism**
- A patient who had a Thyroidectomy operation developed **Post-operative Respiratory Distress**. Discuss aetiology & tt.
- What is the treatment of carcinoma of Thyroid gland.

(20 Marks) دور ثانی
(10 Marks)
(15 Marks)

2005

- A 30 years old women who is pregnant for 5 months complains of palpitation, tremor , excessive sweating & loss of weight .
Discuss (Diagnosis, Investigations & Treatment)
- What investigations would you order for **Solitary Nodule** of the Thyroid gland

(20 Marks) دور ثانی
(10 Marks)

2006

- What is the C/P of **Hyperparathyroidism**
- Discuss Post-operative complications after **Thyroid operations**

(10 Marks) دور ثانی
(20 Marks)

2007

- Mention the types of **Thyroid Neoplasm**
- What investigations would you order for **Solitary Nodule** of the Thyroid gland
- A 30 years old women who is pregnant in her 14 weeks developed tremor , insomnia , intolerance to hot weather & loss of weight .
On examination she had tachycardia & wide pulse pressure.
Discuss (Diagnosis, Investigations & Treatment)

(10 Marks) دور ثانی
(10 Marks) دور ثانی
(20 Marks)

2008

- A 53 years old female presented to outpatient clinic with a Lt. sided thyroid swelling. There are no other symptoms or Signs. Sonography reveals a solitary solid nodule
Discuss (Diagnosis & Treatment)
- A 45 years old women presented to outpatient clinic with long standing history of generalized abdominal pain & gave a history of bil. Renal calculi for which she had Surgery. Currently she is suffering from COLLES' fracture .
Discuss (Diagnosis , investigations & Treatment)

(25 Marks)
(10 Marks)

2009

- A 23 years female with a diffuse swelling on the front of the neck that moves up & down with swallowing & proptosis. Pulse 130/min
Discuss (Diagnosis & Treatment)

(15 Marks)

C. EXPLAIN

THE FOLLOWING STATEMENTS



1. Indirect laryngoscopy must be ordered before thyroid operations.

(2006 - دور اول - 6 Oct.)

- Because 3% of people have neuritis at Recurrent Laryngeal Nerve due to viral infection.

2. To diagnose hyperthyroidism during pregnancy, Estimation of free T₄ is more accurate than total T₄ (2005 - دور ثانی - 6 Oct.)

- To avoid false high results as during pregnancy the serum albumin increased and so T₄ combine with it so free T₄ is more accurate.

3. Hyperthyroidism during pregnancy should not be treated with Radio-active Iodine (2006 - دور ثانی - 6 Oct.)

- To avoid Genetic damage, Leukaemia or damage to Foetus.

4. It is contra-indicated to order Thyouracil in a toxic goiter with Retro-sternal Extension (2006 - دور اول - 6 Oct.)

- Because Anti-thyroid drugs → ↑ TSH → ↑ size of gland so prepared by Indral only.

5. FNA Cytology can not diagnose follicular carcinoma.

(2005 - دور ثانی - 6 Oct.)

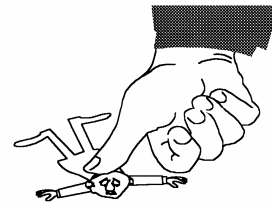
- Because follicular carcinoma not cystic tumor but solid so FNA Cytology not used. But open biopsy is used.

6. Papillary carcinoma of thyroid should be treated by total thyroidectomy.

(2008 - دور ثانی - Kasr)

- Because Papillary carcinoma is the only type characterized by multiplicity (intra-thyroid lymphatic spread)

D. CASES



Case [23] (Thyroglossal Cyst)

A 17-years-old- male patient presented with midline neck swelling. By examination it moves with deglutition & protruding of tongue .

- What is the diagnosis
- What is the underlying pathology
- What is the treatment

Case [24] (S.N.G)

A 20-years-old girl presented by dyspnea & slowly enlarged neck swelling. The hormonal profile of thyroid was free.

- a. *What is the possible diagnosis .*
- b. *What is the possible complications*
- c. *What is the treatment*

Case [25] (1ry Toxic Goitre with Exophthalmos)

A 23 years female with a diffuse swelling on the front of the neck that moves up & down with swallowing & proptosis. Pulse 130/min

(Kasr - دور اول - 2009)

- a. *What is the provisional diagnosis?*
- b. *How to confirm the diagnosis?*
- c. *What is the treatment?*

Case [26] (2ry Toxic Goitre)

A 50-years-old male complains of palpitation, tremors, excessive sweating, loss of weight & neck swelling since 20 years.

- Discuss management

Case [27] (Toxic Goitre with Pregnancy)

A 30-years-old woman, who is pregnant for 5 months, complains of palpitation, tremor , excessive sweating & loss of weight .

(Kasr - دور ثانی - 2005)

(Kasr - دور اول - 2007)

- a. *What is the provisional diagnosis?*
- b. *What is the investigations would you order?*
- c. *What is the treatment?*

Case [28] (2ry Toxic Goitre with R.S.E)

A 40-years-old gentle woman complains with loss of weight in spite of good appetite & awareness of heart beats. By examinations there was neck swelling & the lower border can not be seen or felt .

- a. *What is the provisional diagnosis?*
- b. *What is the investigations would you order?*
- c. *What is the treatment?*

Case [29] (Toxic Goitre with H.F)

A 45-years-old orthopnic patient complains of dyspnea, palpitation & loss of weight

- *Discuss treatment of this case*

Case [30] (Cancer Thyroid - Operable)

A 75-years-old lady presented with short history of hoarseness of voice & development of neck mass

- a. *What is the possible diagnosis .*
- b. *What is the possible pathology*
- c. *What is the treatment*

Case [31] (Cancer Thyroid – Inoperable- Lung Metastasis)

A 55-years-old patient presented with painful fixed mass at lower part of the neck associated with haemoptsis & chest pain

- *Discuss the management*

Case [32] (Cancer Thyroid – Follicular- on Top of S.N.G)

A 65-years-old Elderly male presented with pain related to ear & neck swelling since 30 years

- a. What is the possible diagnosis .
- b. What is the possible pathology
- c. What is the treatment

Case [33] (Solitary Thyroid Nodule)

A 53 years old female presented to outpatient clinic with a Lt. sided thyroid Swelling. There are no other symptoms or Signs. Sonography reveals a solitary solid nodule
(2008– دور أول - Kasr)

- a. How would you reach the diagnosis? (10 marks)
- c. What is the treatment? (5 marks)

Case [34] (Hyper para-thyroidesism)

A 45 years old women presented to outpatient clinic with long standing history of generalized abdominal pain & gave a history of bil. Renal calculi for which she had surgery. Currently she is suffering from COLLES' fracture
(2008– دور أول - Kasr)

- a. What is your diagnosis? (2 marks)
- b. What are investigations? (4 marks)
- c. What is the treatment? (4 marks)

بسم الله
GOOD LUCK

Dr. WAEL